Amendments to Claims

1. to 18. (cancelled)

19. (new) A dissolution test, comprising the steps of:

a) passing a release medium through a cell;

b) adding a test sample to said cell;

c) passing said release medium through said cell such that any undissolved portion of said test sample is transferred out of said cell;

d) removing samples of said release medium from said cell, such that said samples of said release medium do not contain any undissolved material;

e) maintaining the temperature of said cell at the desired temperature for the duration of said dissolution test;

f) analyzing said samples of said release medium from said cell to determine the concentration of substance dissolved from said test sample,

g) optionally, repeating said step of analyzing said samples of said release medium at multiple time during the duration of said dissolution test;

wherein said dissolution test is performed using apparatus comprising:

A) a supply of said release medium that can be continuously passed into said cell;

B) a means for transferring solid particles out of said cell;

C) a means of mixing said sample and said release medium;

wherein said solid particles are of small particles size.

20. (new) The dissolution test method of claim 19, wherein the flow rate of said release medium and volume of liquid in the cell is constant throughout said dissolution test, further provided that said flow rate of said release medium, the temperature of said release medium, said volume of liquid in said cell, and the amount of said test sample are adjusted to give physiologically relevant conditions.

21. (new) The dissolution test method of claim 19, wherein said release medium is a fluid of physiological relevance.
22. (new) The dissolution test method of claim 19, wherein said release medium is selected from the group consisting of water, simulated saliva, and buffer solutions.
23. (new) The dissolution test method of claim 19, wherein said test sample comprises an active substance used in the pharmaceutical industry.
24. (new) The dissolution test method of claim 19, wherein said test sample has an objectionable taste.
25. (new) The dissolution test method of claim 19, wherein said means for transferring said solid particles out of said cell comprises tubing of internal diameter of 0.5 to 3.0 mm, and wherein said solid particles are carried through said tubing by the flow of said release medium.